SBR no. 150/15-16
30-11-15

P.W.C. 17 NOTE

Original/Duplicate/Triplicate

1st and final Bill

CONTRACT CERTIFICATE

Reference paras 158 & 170

Division Yelahanka | Sub division Yelahanka New Town | Date

Bills received No | Date | Sub-divisional | Cash book vr No

Scheduled Docket No | | Divisional | Date

Name of work(as per sanctioned estimate) :- | | Head of account 8245 T&T committee Improvements to roads Appertaining to

Work code: 00k-15-000061

NAME OF WORK : Constructon of compound wall and concrete roads in 3rd B main in Someshwaranagara in ward no 04

Someshwara Nagar 3rd B main cross roads in W-4

Name of contractor and full address :-

Reference to agreement No :- | Estimated cost : | W.O.No

Certified that the measurments were taken by me on 30/11/2015 and recorded on pages 216426 to 216440 of measurment book No 2164 and the work is satisfactorily executed by the contractor.

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Assistant Engineer

Certified that the measurments were taken by me on 30/11/15 and recorded correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon. A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within	
2) Deduct amount to be held in reserve being-----percent Rs----------%---------	
3) Balance---	Bill Amount 24,96,073-00
4) Deduct payments	
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount	FID- 1,61,315-00
b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash	IT- 49,834-00
	KST- 99,668-00
	LWF- 24,960-00
	LBF- 2,500-00
	LR- 43,139-00
Total	Fine- 1,930-00
	Total deductions 3,83,614-00
5) Balance being unpaid value of work done held in reserve	
6) Deduct cash of advance made on divisional/sub divisional cash book	Cheque 21,12,459-00
7) Net amount due to or from contractor.	
UN ADJUSTED ITEMS	Bill Amount 24,96,073-00
8) Advance to contractor for materials to site(as detailed within)	
9) Value of government materials supplied.	
TOTAL AMOUNT UN-ADJUSTED	

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Reciept Stamp

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Dated signature of contractor

paid by me cheque No dated

Audited & Admitted For Rs. 24,96,073/-

By Ch Rs: 21,12,459/- (In Words).....

.....And by Adjustment

For Rs. 3,83,614/-

Cash Rs

Date | Initials of officer making payment | Date | Executive Engineer

Account Superd

Exe Engineer
B.B.M.P. Bangalore

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum			702.84 732.51	75.60	53,134.70 55377.76	702.84 732.51	53,134.70 55377.76
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m specification, specification No. KBS 2.1(b) / 2.3.5, No 5/ Item No. 2.4/ PWD SR 2014-15	Cum			215.01 239.16	264.60	53,134.70 63281.74	215.01 239.16	53,134.70 63281.74
3	Removing B.S slab of drain and stacking	sqm			539.25 844.20	58.32	48445.06 49233.74	539.25 844.20	48445.06 49233.74
4	Refixing stone slabs of drains and pointing in CM(1:3)	Sqm			539.25 844.20	75.60	63447.30 63821.52	839.25 844.20	63447.30 63821.52
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete **do 7.5 cms** thick	sqm			123.75 118.80	639.36	79,120.80 75955.97	123.75 118.80	79,120.80 75955.97

RB 4-1.3:Providing and ying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no4.3,Page no12,PWD SR 2014-15)	Cum			31.50	4847.04	152681.76	31.50	152681.76
KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum			42.84	6065.28	259836.60	42.84	259836.60

	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr 2014-15,p.no17,s.no 4.46)	Qtl			32.13	7905.60	254006.93	32.13	254006.93
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecification. Specification no.KBS 4.6.2 (pwd sr2014-15,p.no15/4.31)	Sqm			489.60	292.68	143296.13	489.60	143296.13

	RRB 4.1:5Providing and laying in position plain **cement concrete mix M20** with opc cement @300kgs,with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.43cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification no 4.1,4.2 **(Page.12 & Item No. 4.5)**	Cum			2.60	5852.52	15216.55	2.60	15216.55
11	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator,HOM of machinery screed vibratory,power floater,blade and disk etc,,with all lead and lift etc as per specifications .(P.NO171/22.7)	Sqm			26.04	97.20	2531.09	26.04	2531.09

	viding groove cutting for idth of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine,generator&HOM of machinery,including cost of blade,coolant etc as per specifications as per specifications.(p.no172/22.80)	**Rmtr**			1.20	124.20	149.04	1.20	149.04
13	KSRB 500-2 Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501	**Sqm**			**980.5**	**3.02**	2961.11	980.50	2961.11
14	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification: 406 (PWD SR 2014-15 P.N.154 It 20.18)	**Cum**			**151.08**	**1438.56**	217337.64	151.08	217337.64

	KSRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH Specifications No502 (ITEMNO21.6,Page no157,PWD SR 2014-15)	Sqm			1492.92	35.21	52565.71	1492.92	52565.71
16	KSRB M500-13: Providing and laying bituminos macadam 50mm thick with 100-120 TPH hot mix plant producing an average out of 75 tonnes per hour using crushed aggregates of specified grading premixed with bitiminous binder, transported to site, laid over a prevuiusky prepared syrface with paver finisher to the required grade, level and alignament and rolled as per clauses 501.6 and 501.7 to achive the desired cinpactuib complete as per specifications. Mother specification No.504, 50-75mm compacted thickness(grading II) with 3.3% bitumen(P-159, It.21.17.2)	Cum			9.30	9262.08	86137.34	9.30	86137.34

	SB 500-10:Tack coat:Providing and applying tack coat with bitumen emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom, complete as per specifications. MORTH specification No.503 using bitumen emulsion (P-158.It.21.10.1)	Sqm			178.82 192	14.59	2608.98 2801.28	178.82 192	2608.98 2801.28
18	KSRRB M500-18.Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading,premixed with bituminous binder and filler, transporting the hot mix to work site.laying with a paver finisher to the required grade,levell and alignment, rolling withs mooth wheeled,vibratoryandtandem rollers to achievethe desired compactiona sperMORTHSpecificationcla useno508completeinallrespec tscompleteasperspecification s.using40-60 TPH capacity HMP with mechanical pavour grading -II (25-30mm) with 5% CRMB 55 grade (Itemno 21.21.5 Pageno 160 2014-15)	Cum			48.99 48.52	9998.64	489833.37 485134.48	48.99 48.52	489833.37 485134.48
19	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm			128.52	1498	192522.96	128.52	192522.96

	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/kanker/ Moorum. KSRRB M100-1:Placing tipper at loading point,loading with front end loader, dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2014-15)	Cum			971.67 917.85	68.04	66112.43 62450.51	971.67 917.85	66112.43 62450.51
				TOTAL			2232030.62		2232030.62
				KRIDL 11%			245523.37		245523.37
				QC 1%			22320.31		22320.31
				GRAND TOTAL			2499874.30		2499874.30

AE
Ward no:04

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore